SEQUENCE LISTING

5	(1) GENE	RAL INFORMATION:
3	(i)	APPLICANT: Jacobs, Cindy A.
10	(ii)	TITLE OF INVENTION: Method of Treating TNF-Dependent Inflammation Using Tumor Necrosis Factor Antagonists
10	(iii)	NUMBER OF SEQUENCES: 5
15	(iv)	CORRESPONDENCE ADDRESS: (A) ADDRESSEE: Immunex Corporation (B) STREET: 51 University Street (C) CITY: Seattle (D) STATE: Washington (E) COUNTRY: U.S.A. (F) ZIP: 98101
20 25	(v)	COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
30	(vi)	CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: (C) CLASSIFICATION:
35	(viii)	ATTORNEY/AGENT INFORMATION: (A) NAME: Wight, Christopher L. (B) REGISTRATION NUMBER: 31,680 (C) REFERENCE/DOCKET NUMBER: 2503
40	(ix)	TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (206) 587-0430 (B) TELEFAX: (206) 587-0606
	(2) INFO	RMATION FOR SEQ ID NO:1:
45	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 1641 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
50	(ii)	MOLECULE TYPE: cDNA
	(iii)	HYPOTHETICAL: NO
55	(iv)	ANTI-SENSE: NO
60	(vi)	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (G) CELL TYPE: Fibroblast (H) CELL LINE: WI-26 VA4
	(vii)	IMMEDIATE SOURCE: (A) LIBRARY: WI-26 VA4 (B) CLONE: Clone 1



	(ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 881473														
5	<pre>(ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 1541470</pre>														
10	<pre>(ix) FEATURE: (A) NAME/KEY: sig_peptide (B) LOCATION: 88153</pre>														
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:														
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20	GGGGGCAACC GGACCCCGCC CGCATCC ATG GCG CCC GTC GCC GTC TGG GCC Met Ala Pro Val Ala Val Trp Ala -22 -20 -15	111													
25	GCG CTG GCC GTC GGA CTG GAG CTC TGG GCT GCG GCG CAC GCC TTG CCC Ala Leu Ala Val Gly Leu Glu Leu Trp Ala Ala Ala His Ala Leu Pro -10 -5 1	159													
23	GCC CAG GTG GCA TTT ACA CCC TAC GCC CCG GAG CCC GGG AGC ACA TGC Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser Thr Cys 5 10 15	207													
30	CGG CTC AGA GAA TAC TAT GAC CAG ACA GCT CAG ATG TGC TGC AGC AAA Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys Ser Lys 20 25 30	255													
35	TGC TCG CCG GGC CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC TCG GAC Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp 35 40 45 50	303													
40	ACC GTG TGT GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC TGG AAC Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn 55 60 65	351													
45	TGG GTT CCC GAG TGC TTG AGC TGT GGC TCC CGC TGT AGC TCT GAC CAG Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln 70 75 80	399													
45	GTG GAA ACT CAA GCC TGC ACT CGG GAA CAG AAC CGC ATC TGC ACC TGC Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys 85 90 95	447													
50	AGG CCC GGC TGG TAC TGC GCG CTG AGC AAG CAG GAG GGG TGC CGG CTG Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu 100 105 110	495													
55	TGC GCG CCG CTG CGC AAG TGC CGC CCG GGC TTC GGC GTG GCC AGA CCA Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala Arg Pro 115 120 125 130	543													
	001 10E 011 101 E01 010 0E0 0E0 E00 110 000 E00 000 0	E 0.1													



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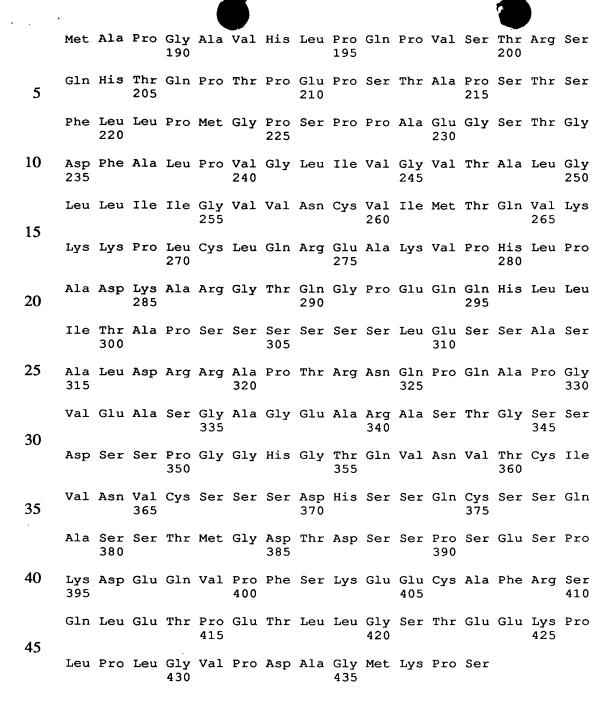
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5				AGT Ser					735
10				TCC Ser					783
15				TCC Ser					831
20				GGC Gly					879
20				GGT Gly 250					927
25				AAA Lys					975
30				CCT Pro					1023
35				CTG Leu					1071
40				AGT Ser					1119
40				GGC Gly 330					1167
45				TCA Ser					1215
50				ATC Ile					1263
55				CAA Gln					1311
60				CCG Pro					1359
				TCA Ser 410					1407

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	CTG GGG AGC ACC GAA GAG AAG CCC CTG CCC CTT GGA GTG CCT GAT GCT Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro Leu Gly Val Pro Asp Ala 420 425 430	1455													
5	GGG ATG AAG CCC AGT TAACCAGGCC GGTGTGGGCT GTGTCGTAGC CAAGGTGGGC Gly Met Lys Pro Ser 435	1510													
10	TGAGCCCTGG CAGGATGACC CTGCGAAGGG GCCCTGGTCC TTCCAGGCCC CCACCACTAG	1570													
10	GACTCTGAGG CTCTTTCTGG GCCAAGTTCC TCTAGTGCCC TCCACAGCCG CAGCCTCCCT	1630													
	CTGACCTGCA G														
15	(2) INFORMATION FOR SEQ ID NO:2:														
20	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 461 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear														
	(ii) MOLECULE TYPE: protein														
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:														
	Met Ala Pro Val Ala Val Trp Ala Ala Leu Ala Val Gly Leu Glu Leu -22 -20 -15 -10														
30	Trp Ala Ala Ala His Ala Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr -5 1 5 10														
35	Ala Pro Glu Pro Gly Ser Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln 15 20 25														
	Thr Ala Gln Met Cys Cys Ser Lys Cys Ser Pro Gly Gln His Ala Lys 30 35 40														
40	Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp 45 50 55														
	Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val Pro Glu Cys Leu Ser Cys 60 65 70														
45	Gly Ser Arg Cys Ser Ser Asp Gln Val Glu Thr Gln Ala Cys Thr Arg 75 80 85 90														
50	Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu 95 100 105														
	Ser Lys Gln Glu Gly Cys Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg 110 115 120														
55	Pro Gly Phe Gly Val Ala Arg Pro Gly Thr Glu Thr Ser Asp Val Val 125 130 135														
	Cys Lys Pro Cys Ala Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr 140 145 150														
60	Asp Ile Cys Arg Pro His Gln Ile Cys Asn Val Val Ala Ile Pro Gly 155 160 165 170														
65	Asn Ala Ser Met Asp Ala Val Cys Thr Ser Thr Ser Pro Thr Arg Ser 175 180 185														

J28 G



- 50 (2) INFORMATION FOR SEQ ID NO:3:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1557 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: cDNA
- 60 (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO





(vii) IMMEDIATE SOURCE:

(B) CLONE: TNFR/Fc Fusion Protein

(ix) FEATURE:

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(A) NAME/KEY: CDS
(B) LOCATION: 1..1557

(ix) FEATURE:

(A) NAME/KEY: mat_peptide
(B) LOCATION: 1..1554

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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15		GCA Ala								48
20		GCA Ala 20								96
25		TGG Trp								144
30		TTG Leu								192
30		ACA Thr								240
35		AGC Ser								288
40		TCG Ser 100								336
45		TGG Trp								384
50		GAC Asp								432
30		ACC Thr								480
55		CGG Arg								528
60		AGA Arg 180								576
65		GGG Gly								624

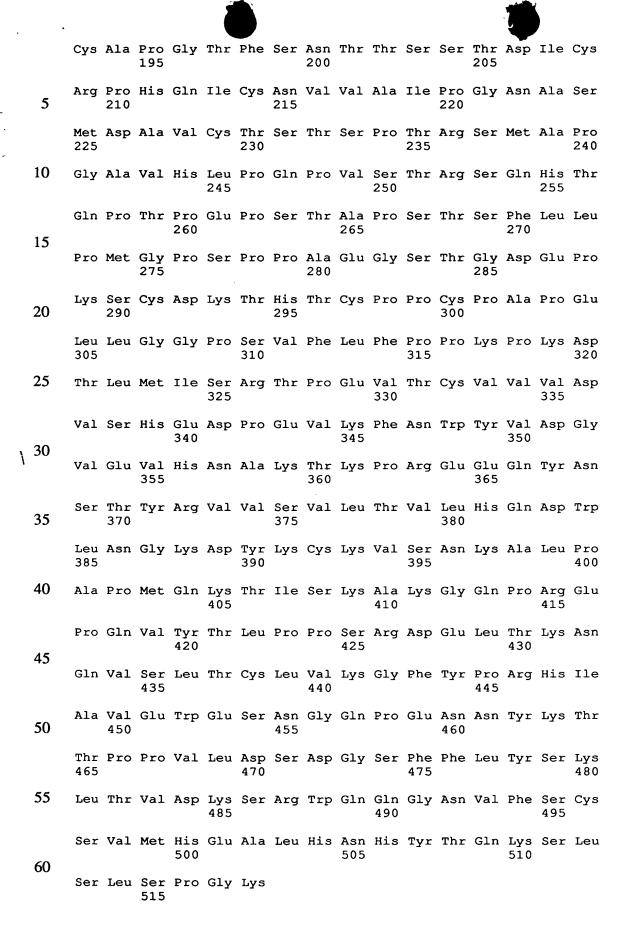


5									GCA Ala	672
3									GCC Ala	720
10									CAC His 255	768
15									CTG Leu	816
20									GAG Glu	864
25									CCT Pro	912
									AAG Lys	960
30									GTG Val 335	1008
35									GAC Asp	1056
40					_	 	-		TAC Tyr	1104
45									GAC Asp	1152
									CTC Leu	1200
50									CGA Arg 415	1248
55									AAG Lys	1296
60									CAC His	1344
65									AAG Lys	1392



•					•										,		
									GGC Gly								1440
5									CAG Gln								1488
10			_	_	_			-	AAC Asn 505		_						1536
15			TCT Ser 515				TGA										1557
20	(A) LENGTH: 518 amino acids(B) TYPE: amino acid(D) TOPOLOGY: linear																
25		Ci	ii) N	OLEC	ULE	ТҮРЕ	: DI	otei	in								
23	(ii) MOLECULE TYPE: protein (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:																
	_																
30	Ala 1	Arg	Gln	Ala	Ala 5	Trp	Arg	Glu	Gly	Ala 10	Gly	Leu	Arg	Gly	Arg 15	Glu	
	Gly	Ala	Arg	Ala 20	Gly	Gly	Asn	Arg	Thr 25	Pro	Pro	Ala	Ser	Met 30	Ala	Pro	
35	Val	Ala	Val 35	Trp	Ala	Ala	Leu	Ala 40	Val	Gly	Leu	Glu	Leu 45	Trp	Ala	Ala	
40	Ala	His 50	Ala	Leu	Pro	Ala	Gln 55	Val	Ala	Phe	Thr	Pro 60	Tyr	Ala	Pro	Glu	
40	Pro 65	Gly	Ser	Thr	Cys	Arg 70	Leu	Arg	Glu	Tyr	Tyr 75	Asp	Gln	Thr	Ala	Gln 80	
45	Met	Cys	Cys	Ser	Lys 85	Cys	Ser	Pro	Gly	Gln 90	His	Ala	Lys	Val	Phe 95	Cys	
	Thr	Lys	Thr	Ser 100	Asp	Thr	Val	Cys	Asp 105	Ser	Cys	Glu	Asp	Ser 110	Thr	Tyr	
50	Thr	Gln	Leu 115	Trp	Asn	Trp	Val	Pro 120	Glu	Суѕ	Leu	Ser	Cys 125	Gly	Ser	Arg	
55	Cys	Ser 130	Ser	Asp	Gln	Val	Glu 135	Thr	Gln	Ala	Суз	Thr 140	Arg	Glu	Gln	Asn	
33	Arg 145	Ile	Cys	Thr	Cys	Arg 150	Pro	Gly	Trp	Tyr	Cys 155	Ala	Leu	Ser	Lys	Gln 160	
60	Glu	Gly	Суз	Arg	Leu 165	Cys	Ala	Pro	Leu	Arg 170	Lys	Cys	Arg	Pro	Gly 175	Phe	
	Gly	Val	Ala	Arg 180	Pro	Gly	Thr	Glu	Thr 185	Ser	Asp	Val	Val	Cys 190	Lys	Pro	







(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

10 (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: YES

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(vii) IMMEDIATE SOURCE:

(B) CLONE: oligonucleotide

20 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CGGTACGTGC TGTTGTTACT GC